

## **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

- 1           1. (Currently amended) A system for enabling components to transfer  
2 data between each other, the system comprising:  
3           a plurality of components including a first component having a universal  
4 data transfer interface; and  
5           a second component capable of invoking the universal data transfer  
6 interface to cause a data transfer session object (DTSO) to be sent to at least one  
7 of the plurality of components, wherein the DTSO ~~data transfer session object~~ is  
8 capable of being invoked by the at least one of the plurality of components to  
9 transfer data between the first component and the at least one of the plurality of  
10 components;  
11           wherein the DTSO includes instructions to return data types supported by  
12 the first component;  
13           wherein the DTSO includes instructions that enable the first component to  
14 receive asynchronous event notifications;  
15           wherein the DTSO includes instructions to return device type and  
16 operating status of the first component; and  
17           wherein the DTSO ~~data transfer session object~~ comprisesincludes  
18 instructions to enable the first component or the at least one of the plurality of  
19 components to negotiate with each other to select a transfer medium to use to  
20 transfer data based upon the type of data.

1           2. (Previously presented) The system as set forth in claim 1 wherein the at  
2   least one of the plurality of components comprises the second component or a  
3   third component.

1           3. (Currently amended) The system as set forth in claim 1 wherein the at  
2   least one of the plurality of components sends a second DTSO ~~data transfer~~  
3   ~~session object~~ to the first component to be used by the first component for  
4   receiving data transmitted from the at least one of the plurality of components.

1           4. (Currently amended) The system as set forth in claim 1 wherein the at  
2   least one of the plurality of components receives the DTSO ~~data transfer session~~  
3   ~~object~~ from the first component to be used by the at least one of the components  
4   for receiving data transmitted from the first component.

1           5. (Currently amended) The system as set forth in claim 1 wherein the  
2   universal data transfer interface and the DTSO ~~data transfer session object~~ have  
3   source-specific object- oriented mobile code that can be interpreted and performed  
4   by the first component or the at least one of the plurality of components.

1           6. (Currently amended) The system as set forth in claim 1 wherein the  
2   DTSO ~~data transfer session object~~ comprises instructions to enable the first  
3   component or the at least one of the plurality of components to negotiate with  
4   each other to transfer data, to select a communications protocol configured to  
5   transfer data between each other based upon a type of data to be transferred.

1           7. (Currently amended) The system as set forth in claim 1 wherein the  
2   DTSO ~~data transfer session object~~ is configured to indicate completion responsive  
3   to expiration of a data transfer lease by the first component or by the at least one

4 of the plurality of components or responsive to the first component or to the at  
5 least one of the plurality of components indicating that the data transfer has  
6 completed or failed.

1 8. (Currently amended) A system for enabling components to transfer data  
2 between each other, the system comprising:  
3 a first component having a first universal data transfer interface;  
4 a second component having a second universal data transfer interface; and  
5 a third component invoking the first universal data transfer interface and  
6 the second universal data transfer interface to use a data transfer session object  
7 (DTSO) to transfer data between the first component and the second component;  
8 wherein the DTSO includes instructions to return data types supported by  
9 the first component;  
10 wherein the DTSO includes instructions that enable the first component to  
11 receive asynchronous event notifications;  
12 wherein the DTSO includes instructions to return device type and  
13 operating status of the first component; and  
14 wherein the DTSO includes instructions to enable the first component or  
15 the at least one of the plurality of components to negotiate with each other to  
16 select a transfer medium to use to transfer data based upon the type of data.

1 9. (Currently amended) The system as set forth in claim 8 wherein the  
2 third component sends the DTSO ~~data transfer session object~~ to the first  
3 component to be used by the first component for receiving data transmitted from  
4 the second component.

1 10. (Currently amended) The system as set forth in claim 8 wherein the  
2 third component sends the DTSO ~~data transfer session object~~ to the second

3 component to be used by the second component for receiving data transmitted  
4 from the first component.

1 11. (Currently amended) The system as set forth in claim 8 wherein the  
2 DTSO data transfer session object is configured to indicate completion responsive  
3 to expiration of a data transfer lease by the first component or the at least one of  
4 the plurality of components, or responsive to the first component or the at least  
5 one of the plurality of components indicating that the data transfer has completed  
6 or failed.

1 12. (Currently amended) A method for enabling a plurality of  
2 components to transfer data between each other, the method comprising:  
3 invoking, with a second component, a universal data transfer interface of a  
4 first component of a plurality of components to cause a data transfer session  
5 object (DTSO) to be sent to at least one of the plurality of components; and  
6 invoking the DTSO data transfer session object with the at least one of the  
7 plurality of components to transfer data between the first component and the at  
8 least one of the plurality of components;  
9 wherein the DTSO includes instructions to return data types supported by  
10 the first component;  
11 wherein the DTSO includes instructions that enable the first component to  
12 receive asynchronous event notifications;  
13 wherein the DTSO includes instructions to return device type and  
14 operating status of the first component; and  
15 wherein the DTSO data transfer session object comprisesincludes  
16 instructions to enable the first component or the at least one of the plurality of  
17 components to negotiate with each other to select a transfer medium to use to  
18 transfer data based upon the type of data.

1           13. (Previously presented) The method as set forth in claim 12 wherein the  
2   at least one of the plurality of components comprises the second component or a  
3   third component.

1           14. (Currently amended) The method as set forth in claim 12 further  
2 | comprising sending a second DTSO ~~data transfer session object~~ to the first  
3   component to be used by the first component for receiving data transmitted from  
4   the at least one of the plurality of components.

1           15. (Currently amended) The method as set forth in claim 12 further  
2 | comprising receiving the DTSO ~~data transfer session object~~ from the first  
3   component to be used by the at least one of the components for receiving data  
4   transmitted from the first component.

1           16. (Currently amended) The method as set forth in claim 12 wherein the  
2 | universal data transfer interface and the DTSO ~~data transfer session object~~ have  
3   source-specific object-oriented mobile code that can be interpreted and performed  
4   by the first component or the at least one of the plurality of components.

1           17. (Currently amended) The method as set forth in claim 12 wherein the  
2 | DTSO ~~data transfer session object~~ comprises instructions to enable the first  
3   component or the at least one of the plurality of components to negotiate with  
4   each other to transfer data, to select a communications protocol configured to  
5   transfer data between each other based upon a type of data to be transferred.

1           18. (Currently amended) The method as set forth in claim 12 further  
2 | comprising configuring the DTSO ~~data transfer session object~~ to indicate  
3   completion responsive to expiration of a data transfer lease by the first component

4 or by the at least one of the plurality of components, or responsive to the first  
5 component or to the at least one of the plurality of components indicating that the  
6 data transfer has completed or failed.

1 19. (Currently amended) A method for enabling components to  
2 transfer data between each other, the method comprising:  
3 invoking a first universal data transfer interface of a first component and a  
4 second universal data transfer interface of a second component;  
5 obtaining a data transfer session object (DTSO) from one of the invoked  
6 first universal data transfer interface or the second universal data transfer  
7 interface; and  
8 using the DTSO ~~data transfer session object~~ to transfer data between the  
9 first component and the second component;  
10 wherein the DTSO includes instructions to return data types supported by  
11 the first component;  
12 wherein the DTSO includes instructions that enable the first component to  
13 receive asynchronous event notifications;  
14 wherein the DTSO includes instructions to return device type and  
15 operating status of the first component; and  
16 wherein the DTSO includes instructions to enable the first component or  
17 the at least one of the plurality of components to negotiate with each other to  
18 select a transfer medium to use to transfer data based upon the type of data.

1 20. (Currently amended) The method as set forth in claim 19 further  
2 comprising sending the DTSO ~~data transfer session object~~ to the first component  
3 to be used by the first component for receiving data transmitted from the second  
4 component.

1           21. (Currently amended) The method as set forth in claim 19 further  
2     comprising sending the DTSO ~~data transfer session object~~ to the second  
3     component to be used by the second component for receiving data transmitted  
4     from the first component.

1           22. (Currently amended) The method as set forth in claim 19 further  
2     comprising configuring the DTSO ~~data transfer session object~~ to indicate  
3     completion responsive to expiration of a data transfer lease by the first component  
4     or by the at least one of the plurality of components, or responsive to the first  
5     component or to the at least one of the plurality of components indicating that the  
6     data transfer has completed or failed.

1           23. (Currently amended) A computer readable medium having stored  
2     thereon instructions for enabling components to transfer data between each other,  
3     which when executed by one or more processors, causes the processors to  
4     perform:

5           invoking, with a second component, a universal data transfer interface of a  
6     first component of a plurality of components to cause a data transfer session  
7     object (DTSO) to be sent to at least one of the plurality of components; and  
8           invoking the DTSO ~~data transfer session object~~ with the at least one of the  
9     plurality of components to transfer data between the first component and the at  
10    least one of the plurality of components;

11           wherein the DTSO includes instructions to return data types supported by  
12    the first component;

13           wherein the DTSO includes instructions that enable the first component to  
14    receive asynchronous event notifications;

15           wherein the DTSO includes instructions to return device type and  
16    operating status of the first component; and

17 |        wherein the DTSO data transfer session object ~~comprises~~includes  
18 | instructions to enable the first component or the at least one of the plurality of  
19 | components to negotiate with each other to select a transfer medium to use to  
20 | transfer data based upon the type of data.

1        24. (Previously presented) The medium as set forth in claim 23 wherein  
2 | the at least one of the plurality of components comprises the second component or  
3 | a third component.

1        25. (Currently amended) The medium as set forth in claim 23 further  
2 | comprising sending a second DTSO data transfer session object to the first  
3 | component to be used by the first component for receiving data transmitted from  
4 | the at least one of the plurality of components.

1        26. (Currently amended) The medium as set forth in claim 23 further  
2 | comprising receiving the DTSO data transfer session object from the first  
3 | component to be used by the at least one of the components for receiving data  
4 | transmitted from the first component.

1        27. (Currently amended) The medium as set forth in claim 23 wherein the  
2 | universal data transfer interface and the DTSO data transfer session object have  
3 | source-specific object-oriented mobile code that can be interpreted and performed  
4 | by the first component or the at least one of the plurality of components.

1        28. (Currently amended) The medium as set forth in claim 23 wherein the  
2 | DTSO data transfer session object comprises instructions to enable the first  
3 | component or the at least one of the plurality of components to negotiate with  
4 | each other to transfer data, to select a communications protocol configured to



5 transfer data between each other based upon a type of data to be transferred.

1 29. (Currently amended) The medium as set forth in claim 23 further  
2 comprising configuring the DTSO ~~data transfer session object~~ to indicate  
3 completion responsive to expiration of a data transfer lease by the first component  
4 or by the at least one of the plurality of components, or responsive to the first  
5 component or to the at least one of the plurality of components indicating that the  
6 data transfer has completed or failed.

1 30. (Currently amended) A computer readable medium having stored  
2 thereon instructions for enabling components to transfer data between each other,  
3 which when executed by one or more processors, causes the processors to  
4 perform:

5 invoking a first universal data transfer interface of a first component and a  
6 second universal data transfer interface of a second component;  
7 obtaining a data transfer session object (DTSO) from one of the invoked  
8 first universal data transfer interface or the second universal data transfer  
9 interface; and

10 using the DTSO ~~data transfer session object~~ to transfer data between the  
11 first component and the second component;

12 wherein the DTSO includes instructions to return data types supported by  
13 the first component;

14 wherein the DTSO includes instructions that enable the first component to  
15 receive asynchronous event notifications;

16 wherein the DTSO includes instructions to return device type and  
17 operating status of the first component; and

18        wherein the DTSO includes instructions to enable the first component or  
19        the at least one of the plurality of components to negotiate with each other to  
20        select a transfer medium to use to transfer data based upon the type of data.

1            31. (Currently amended) The medium as set forth in claim 30 further  
2        comprising sending the DTSO ~~data transfer session object~~ to the first component  
3        to be used by the first component for receiving data transmitted from the second  
4        component.

1            32. (Currently amended) The medium as set forth in claim 30 further  
2        comprising sending the DTSO ~~data transfer session object~~ to the second  
3        component to be used by the second component for receiving data transmitted  
4        from the first component.

1            33. (Currently amended) The medium as set forth in claim 30 further  
2        comprising configuring the DTSO ~~data transfer session object~~ to indicate  
3        completion responsive to expiration of a data transfer lease by the first component  
4        or by the at least one of the plurality of components, or responsive to the first  
5        component or to the at least one of the plurality of components indicating that the  
6        data transfer has completed or failed.